

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

TELEDYNE LECROY

Teledyne LeCroy ZS2500 Active Voltage Probe

Teledyne LeCroy ZS2500 Active Voltage Probe The Teledyne LeCroy ZS2500 is a high-impedance active voltage probe in the ZS Series for high-frequency oscilloscope probing with low circuit loading. ProBus interface integrates with Teledyne LeCroy oscilloscopes; ideal for ~2 GHz class scopes. High-frequency signal probing with reduced loading vs passive probes; digital/analog debug on dense boards; general-purpose active probing to 2.5 GHz. The Teledyne LeCroy ZS2500 is a high-impedance active voltage probe in the ZS Series for high-frequency oscilloscope probing with low circuit loading. ProBus interface integrates with Teledyne LeCroy oscilloscopes; ideal for ~2 GHz class scopes. High-frequency signal probing with reduced loading vs passive probes; digital/analog debug on dense boards; general-purpose active probing to 2.5 GHz.



MODEL

**Teledyne LeCroy
ZS2500**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

ZS2500

LISTING

<https://aumictechlabs.com/products/zs2500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Teledyne LeCroy ZS2500 is a 2.5 GHz active voltage probe engineered for high-speed signal acquisition where minimal circuit loading and signal fidelity are paramount. Its 1 M Ω input impedance and 0.9 pF input capacitance minimize loading effects on the circuit under test, preserving measurement integrity. The probe delivers an input dynamic range of ± 8 V with offset capability to ± 12 V, accommodating diverse measurement configurations across 4 GHz and lower bandwidth oscilloscopes. Designed around the ProBus interface, the ZS2500 integrates directly

with compatible Teledyne LeCroy platforms, enabling automatic setup and instrument control. The compact form factor and 1.3 m cable length facilitate access to challenging measurement points. A comprehensive accessory suite - including multiple tip styles, flexible leads, right-angle adapters, and grounding options - addresses varied probing geometries while suppressing ground loop inductance.

Technical Specifications
Bandwidth: 2.5 GHz
Input Impedance: 1 M Ω
Input Capacitance: 0.9 pF
Input Dynamic Range: ± 8 V
Offset Range: ± 12 V
Non-Destructive Voltage: 20 V
Attenuation: 10:1
Cable Length: 1.3 m

Key Features
High input impedance (1 M Ω) reduces circuit loading and signal distortion
Low input capacitance (0.9 pF) preserves high-frequency signal fidelity
ProBus interface for integrated oscilloscope control and automated setup
Wide offset range (± 12 V) enables DC-coupled measurements across diverse signal levels
Broad accessory ecosystem including multiple grounding configurations to minimize parasitic inductance effects
Compact design with flexible lead options for confined probe access

Typical Applications
High-speed digital signal integrity analysis
Power supply and regulator characterization
RF and microwave circuit debugging
Clock and data signal measurements

Compatibility & Integration
The ZS2500 operates with Teledyne LeCroy oscilloscopes featuring 4 GHz and lower bandwidth, specifically compatible with WaveSurfer 3000z/4000HD High Definition and WaveRunner 9000 platforms. ProBus connectivity enables plug-and-play integration with automatic probe recognition and oscilloscope parameter configuration.

Features & description

From manufacturer datasheet

Features

- Probe bandwidth: 2.5 GHz • DC input resistance: 1 M Ω • Input capacitance: 0.9 pF • Attenuation: $\div 10$
- Input dynamic range: ± 8 V • Offset range: ± 12 V • Non-destruct voltage: 20 V • Cable length: 1.3 m • Interface: ProBus • Accessory tip/ground set for confined probing

ZS2500 Characteristics / Specifications

PARAMETER	VALUE
Model	ZS2500
Manufacturer	Teledyne LeCroy
Instrument Type	High-Impedance Active Voltage Probe
Family	ZS Series
Alias	ZS2500; LeCroy ZS2500 Electrical
Bandwidth	2.5 GHz
Input R	1 MΩ
Input C	0.9 pF
Dynamic range	±8 V
Offset	±12 V
Attenuation	10:1
Cable	1.3 m
Interface	ProBus Notes Specs from Teledyne LeCroy ZS Series datasheet. Confirm tip kit completeness and ProBus connectivity on the unit. Related models: ZS1000 (1 GHz), ZS1500 (1.5 GHz), ZS4000 (4 GHz, 0.6 pF).
Probe bandwidth	2.5 GHz
DC input resistance	1 MΩ
Input capacitance	0.9 pF
Input dynamic range	±8 V
Offset range	±12 V
Non-destruct voltage	20 V
Cable length	1.3 m

ZS2500 Specifications

PARAMETER	VALUE
Teledyne LeCroy ZS2500 Active Voltage Probe	Overview
Key Features	- Probe bandwidth: 2.5 GHz
Technical Specifications	Model: ZS2500
Electrical	Bandwidth: 2.5 GHz
Mechanical / Interface	Cable: 1.3 m

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	ZS2500
Manufacturer	Teledyne LeCroy
Instrument Type	High-Impedance Active Voltage Probe
Family	ZS Series
Alias	ZS2500; LeCroy ZS2500

Electrical

Electrical

PARAMETER	VALUE
Bandwidth	2.5 GHz
Input R	1 MΩ
Input C	0.9 pF
Dynamic range	±8 V
Offset	±12 V
Attenuation	10:1

Non-destruct: 20 V

Mechanical / Interface

Cable: 1.3 m

Interface: ProBus

Notes

Specs from Teledyne LeCroy ZS Series datasheet. Confirm tip kit completeness and ProBus connectivity on the unit. Related models: ZS1000 (1 GHz), ZS1500 (1.5 GHz), ZS4000 (4 GHz, 0.6 pF).

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.